

# Appendix F

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## Glossary

The following is a listing of abbreviations for organization names and technical terms used in this plan:

ADAM	Airport Datum Monument Program
ADC	Air Data Computer
ADF	Automatic Direction Finder
ADS	Automatic Dependent Surveillance
ADS-B	Automatic Dependent Surveillance Broadcast
AEEC	Airlines Electronic Engineering Committee
AFSS	Automated Flight Service Stations
AGL	Above Ground Level
AIRSAR	Airborne Synthetic Aperture Radar
AIS	Automatic Identification Systems
ANA	Area Navigation Approach
AOC	Airport Obstruction Chart
APL	Airport Pseudolite

ARNS	Aeronautical Radionavigation Service
ARPA	Automatic Radar Plotting Aid
ASOS	Automated Surface Observing System
ATC	Air Traffic Control
ATCRBS	Air Traffic Control and Radar Beacon System
ATON	Aids to Navigation
AVL	Automatic Vehicle Location
AVM	Automatic Vehicle Monitoring
AWDS	Automated Weather Distribution System
AWN	Aviation Weather Network
AWOS	Automated Weather Observing System
AWP	Automated Weather Processor
BTS	Bureau of Transportation Statistics
C/A	Coarse/Acquisition
CAA	Civil Aviation Authority
CCW	Coded Continuous Wave
CDI	Course Deviation Indicator
CEP	Circular Error Probable
CFR	Code of Federal Regulations
CGS	Civil GPS Service
CGSIC	Civil GPS Service Interface Committee
CIS	Commonwealth of Independent States
CJCS	Chairman, Joint Chiefs of Staff
cm	centimeter
CNS	Communication, Navigation and Surveillance
COMEDS	CONUS Meteorological Distribution System
CONUS	Continental United States
CORS	Continuously Operating Reference Stations

CRV	Crew Return Vehicle
CSE	Course Selection Error
CW	Continuous Wave
DART	Dallas Area Rapid Transit
DGPS	Differential Global Positioning System
DIA	Defense Intelligence Agency
DME	Distance Measuring Equipment
DOA	Department of Agriculture
DOC	Department of Commerce
DOD	Department of Defense
DOJ	Department of Justice
DOI	Department of Interior
DOP	Dilution of Precision
DOS	Department of State
DOT	Department of Transportation
DR	Dead Reckoning
drms	distance root mean squared
DSN	Deep Space Network
ECDIS	Electronic Chart Display Information System
EMI	Electromagnetic Interference
EMP	Electromagnetic Pulse
EUVE	Extreme Ultraviolet Explorer
FAA	Federal Aviation Administration
FANS	Future Air Navigation System
FAR	Federal Aviation Regulation
FCC	Federal Communications Commission
FDE	Fault Detection and Exclusion
FDI	Fault Detection and Identification

FGDC	Federal Geographic Data Committee
FHWA	Federal Highway Administration
FL	Flight Level
FM	Frequency Modulation
FMS	Flight Management Systems
FOC	Full Operational Capability
FRA	Federal Railroad Administration
FRP	Federal Radionavigation Plan
FSDPS	Flight Service Data Processing Systems
FTA	Federal Transit Administration
FTE	Flight Technical Error
GCA	Ground Controlled Approach
GDOP	Geometric Dilution of Precision
GEO	Geostationary Earth Orbit
GES	Ground Earth Station
GHz	Gigahertz
GIS	Geographic Information Systems
GITA	Global Positioning System Interference Testing Approval
GLONASS	Global Navigation Satellite System (Russian Federation System)
GMDSS	Global Maritime Distress and Safety System
GNSS	Global Navigation Satellite System (ICAO)
GPS	Global Positioning System
HF	High Frequency
Hz	Hertz (cycles per second)
IAG	International Association of Geodesy
IALA	International Association of Lighthouse Authorities
ICAO	International Civil Aviation Organization
ICD	Interface Control Document

ICNS	Integrated Communication, Navigation and Surveillance
IERS	International Earth Rotation Service
IFR	Instrument Flight Rules
IGEB	Interagency GPS Executive Board
IGS	International GPS Service
ILS	Instrument Landing System
IMO	International Maritime Organization
INMARSAT	International Maritime Satellite Organization
INS	Inertial Navigation System
IOC	Initial Operational Capability
IRAC	Interdepartmental Radio Advisory Committee
IRAC/SPS	IRAC Spectrum Planning Subcommittee
IRAC/SSG	IRAC Space Systems Group
IRS	Inertial Reference System
ISS	International Space Station
ITRF	IERS Terrestrial Reference Frame
ITS	Intelligent Transportation Systems
ITS-JPO	Intelligent Transportation Systems Joint Program Office
ITU	International Telecommunication Union
JCS	Joint Chiefs of Staff
JPALS	Joint Precision Approach and Landing System
JPO	Joint Program Office
JTIDS	Joint Tactical Information Distribution System
kHz	kilohertz
km	kilometer
LAAS	Local Area Augmentation System
LADGPS	Local Area Differential GPS
LEO	Low Earth Orbit

LF	Low Frequency
LOP	Line of Position
Loran	Long-Range Navigation
m	meter
MAP	Missed Approach Point
MARAD	Maritime Administration
MASPS	Minimum Aviation System Performance Standards
MCS	Master Control Station
MCW	Modulated Continuous Wave
MHz	Megahertz
MIDS	Multi-function Information Distribution System
MLS	Microwave Landing System
mm	millimeters
MMR	Multi-Mode Receiver
ms	milliseconds
MOA	Memorandum of Agreement
MOPS	Minimum Operation Standard Performance
MPNTP	Master Positioning, Navigation, and Timing Plan
MTA	Mass Transit Administration
NAD	North American Datum
NAG	Naval Astronautics Group
NANU	Notice Advisories to Navstar Users
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NATO	North Atlantic Treaty Organization
Nav aids	Ground-Based Navigation Aids
NAVCEN	U.S. Coast Guard Navigation Center
NAVD	North American Vertical Datum

NAVWAR	Navigation Warfare
NCA	National Command Authority
NDB	Nondirectional Beacon
NDGPS	Nationwide Differential Global Positioning Service
NGS	National Geodetic Survey
NGVD	National Geodetic Vertical Datum
NHTSA	National Highway Traffic Safety Administration
NIMA	National Imagery and Mapping Agency
NIS	Navigation Information Service
nm	nautical mile
NNSS	Navy Navigation Satellite System (Transit)
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
NOTAM	Notice to Airmen
NPA	Nonprecision Approach
NPOESS	National Polar-Orbiting Observational Environmental Satellite System
ns	nanosecond
NSA	National Security Agency
NSF	National Science Foundation
NSRS	National Spatial Reference System
NTIA	National Telecommunications and Information Administration
OAB	Operational Advisory Broadcast
OCST	Office of Commercial Space Transportation
OMB	Office of Management and Budget
OSD	Office of the Secretary of Defense
OST	Office of the Secretary of Transportation
OST/B	Assistant Secretary for Budget Programs
OST/C	General Counsel's Office

OST/M	Assistant Secretary for Administration
OST/P	Assistant Secretary for Transportation Policy
P-code	Pseudorandom Tracking Code
PDD	Presidential Decision Directive
PDOP	Position Dilution of Precision
PHMI	Probability of Hazardously Misleading Information
PIR	Portable Instrument Landing System Receiver
PIT	Policy and Implementation Team
PNT	Positioning, Navigation, and Timing
POS/NAV	Positioning and Navigation
PPS	Precise Positioning Service
PRN	Pseudo-Random Noise
ps	picosecond
PTC	Positive Train Control
PTTI	Precise Time and Time Interval
PWSA	Ports and Waterways Safety Act
RACON	Radar Transponder Beacon
RAIM	Receiver Autonomous Integrity Monitoring
RBN	Radiobeacon
R&D	Research & Development
RDF	Radio Direction Finder
R&E	Research & Engineering
RF	Radio Frequency
RFI	Radio Frequency Interference
RLV	Reuseable Launch Vehicle
RNAV	Area Navigation
RNP	Required Navigation Performance
RNSS	Radionavigation Satellite Service



RSA	Range Standardization and Automation
RSPA	Research and Special Programs Administration
RSS	Root Sum Square
RTCM	Radio Technical Commission for Maritime Services
RTD	Rapid Transit District
SA	Selective Availability
SAFI	Semi-Automatic Flight Inspection
SAR	Search and Rescue
SARPs	Standards and Recommended Practices
Satnav	Satellite-Based Navigation
SBAS	Space-Based Augmentation System
SCAT I	Special Category I
SDF	Simplified Direction Finder
SLSDC	Saint Lawrence Seaway Development Corporation
SMGCS	Surface Movement Guidance and Control System
SNR	Signal-to-Noise Ratio
SOFIA	Stratospheric Observatory For Infrared Astronomy
SOLAS	Safety-of-Life-at-Sea
SPS	Standard Positioning Service
STOL	Short Take-Off and Landing
TACAN	Tactical Air Navigation
TCAS	Traffic Alert Collision Avoidance System
TD	Time Difference
TDWR	Terminal Doppler Weather Radar
TERPS	Terminal Instrument Procedures
TIS	Traffic Information Services
TRSB	Time Referenced Scanning Beam
TSO	Technical Standard Order

UHF	Ultra High Frequency
USACE	U.S. Army Corps of Engineers
USAF	United States Air Force
U.S.C.	United States Code
USCG	United States Coast Guard
USD/A&T	Under Secretary of Defense for Acquisition and Technology
USMC	United States Marine Corps
USNO	United States Naval Observatory
UTC	Coordinated Universal Time
VDB	Very High Vehicle Data Broadcast
VFR	Visual Flight Rules
VHF	Very High Frequency
VLBI	Very Long Baseline Interferometry
VLF	Very Low Frequency
VOR	Very High Frequency Omnidirectional Range
VORTAC	Collocated VOR and TACAN
VTs	Vessel Traffic Services
WAAS	Wide Area Augmentation System
WGS	World Geodetic System
WMS	Wide Area Master Stations
WRC	World Radio Conferences
WRS	Wide Area Reference Stations
WWV/WWVH	Call Sign for the National Bureau of Standards Broadcast Notice to Airmen